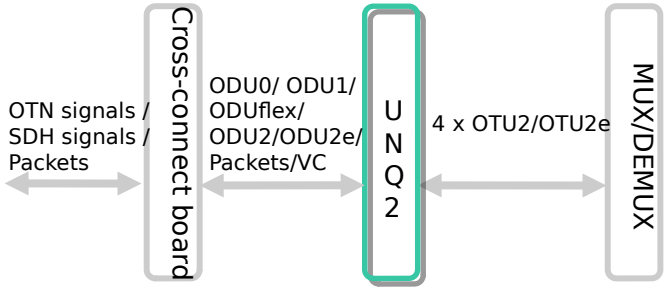
TMK1UNQ2

Initial Version: V100R019C10

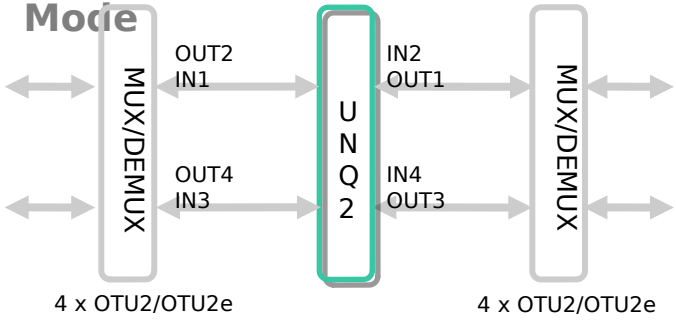
The UNQ2 board supports hybrid transmission of OTN, SDH and packet services with the total bandwidth not exceeding 40 Gbit/s. It can also receive and transmit only one or two of the three services. The UNQ2 board processes and converts the received service signals into four OTU2/OTU2e signals.

Service

Line Mode



Regeneration Mode



Function

Function	Description (OTN)
PRBS	Supported
FEC coding	FEC/AFEC-2
Physical clock	Supported (ODU0, ODU1, ODUflex)
Loopback	• Supports system-side channel inloops and outloops. • Supports WDM-side inloops and outloops.
ESC	Supported
Protection	Intra-Board 1+1 Protection/ ODUk SNCP/Tributary SNCP
IEEE 1588v2	Supported

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Function

Function	Description (SDH)
Overhead processing	• Processes section overheads of STM-16/STM-64 signals. •Transparently transmits and terminates path overheads. •Supports the setting and querying of J0 (to be received), J1, and C2 bytes. •Provides transparent DCCs and orderwire byte channels.
Protection	SNCP/LMSP/RMSP
Physical Clock	Supported
Outband DCN	Supported
Loopback	Supports inloops and outloops on VC-4 paths and virtual ports.

Function

Function	Description (Packet)
Service type	•E-Line (Native ETH service, VPWS) •E-LAN (Native ETH service, VPLS)
Protection	1:1 Tunnel APS/1:1 PW FPS/1:1 PW APS/ERPS/LAG/Packet SNCP/ MC-PW APS/MRPS/MC-LAG/LPT
MPLS-TP OAM	Supported
RMON	Supported
HQoS	Supported
Inband DCN	Supported

Slot

Single-slot board	
E6608	Slot 1 to Slot 6
E6616	Slot 1 to Slot 14

Mechanical Specifications

Weight(kg/lb.)	Typical power consumption(W)	Maximum power consumption(W)
0.78/1.72	63 (Common Mode)	83 (Common Mode)

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Module

SFP+ -10G(with CDR)-1310nm-SMF-10km
SFP+ -10G(with CDR)-1550nm-SMF-40km
SFP+ -10G(with CDR)-1550nm-SMF-80km
SFP+ -10G-(1529.17nm to 1560.61nm)(DWDM,100GHz)-SMF-40km SFP+ -10G(with CDR)-(1529.55nm to 1560.61nm)(DWDM,100GHz,Tunable)-SMF-40km
SFP+ -8.5G to 11.1G-(1552.93nm to 1560.2nm)(DWDM, 100GHz, Tunable)-SMF-40km
SFP+ -8.5G to 11.1G-(1544.92nm to 1552.12nm)(DWDM, 100GHz, Tunable)-SMF-40km
SFP+ -8.5G to 11.1G-(1537nm to 1544.13nm)(DWDM, 100GHz, Tunable)-SMF-40km
SFP+ -8.5G to 11.1G-(1529.16nm to 1536.22nm)(DWDM, 100GHz, Tunable)-SMF-40km
SFP+ -10G-(1529.17nm to 1560.61nm)(DWDM,50GHz,Tunable)-SMF-40km